

Amendments to the Claims

This listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims

1. (Currently Amended) An electronic device having an electronic circuit comprising:
a driving element including a plurality of transistors;
wherein the plurality of transistors are connected in series when inputting current as a first step and the plurality of transistors are connected in parallel when outputting current as a second step, and
wherein the electronic circuit amplifies an inputted current for output.
2. (Previously Presented) An electronic device having an electronic circuit comprising:
a driving element including a plurality of transistors;
wherein the electronic circuit has means to switch between a series connection state and a parallel connection state of the plurality of transistors;
wherein the plurality of transistors are connected in series when inputting current and in parallel when outputting current, and
wherein the electronic circuit amplifies an inputted current for output.
3. (Previously Presented) An electronic device having an electronic circuit which amplifies an inputted current when outputted, comprising:
a driving element including a plurality of transistors; and
a switch,
wherein each gate of the plurality of transistors is connected to each other;
wherein at least one of a source or a drain of each of the plurality of transistors is connected to a source or a drain of another transistor of the plurality of transistors;
wherein the switch switches the plurality of transistors between a series connection state and a parallel connection state, and

wherein the plurality of transistors are connected in series when inputting current and in parallel when outputting current.

4. (Currently Amended) An electronic device having an electronic circuit comprising:
n transistors, wherein n is a natural number; and
a first and a second switch,
wherein gates of the n transistors are connected electrically;
either of sources or drains of the n transistors are electrically connected to the first switch respectively;
another of sources or drains of the n transistors are electrically connected to the second switch respectively;
when a current is inputted to the electronic circuit, as for a k^{th} transistor ($k=2$ to less than n) in the n transistors, a current flows through a $(k-1)^{\text{th}}$ transistor to a $(k+1)^{\text{th}}$ transistor via the k^{th} transistor;
when the current is outputted in the electronic circuit, as for the k^{th} transistors, the current flows from the side connected to the second switch to the side connected to the first switch.

5. (Previously Presented) The electronic device according to claim 1, wherein the plurality of transistors are either all p-channel type or n-channel type.

6. (Previously Presented) The electronic device according to claim 1, wherein channel lengths, channel widths and insulating film thicknesses of the plurality of transistors are all equal.

7. (Previously Presented) The electronic device according to claim 1, wherein the plurality of transistors are TFTs.

8. (Previously Presented) The electronic device according to claim 1, wherein the electronic circuit is included in an integrated circuit.

9. (Previously Presented) The electronic device according to claim 1, wherein the electronic circuit is included in a system circuit and is formed over a glass substrate.

10. (Canceled)

11. (Previously Presented) The electronic device according to claim 1, wherein the electronic device is one selected from the group consisting of a monitor, a video camera, a digital camera, a goggle type display, a navigation system, an audio component system, a car audio, a personal computer, a game machine, a mobile computer, a portable phone, a portable game machine, an electronic book, and an image reproduction device provided with a recording medium.

12. (Currently Amended) A personal computer comprising:
a body,
a housing,
an external connecting port,
and an electronic circuit having a driving element,
wherein the driving element comprises a plurality of transistors,
wherein the electronic circuit has means to switch between a series connection state and a parallel connection state of the plurality of transistors, [[and]]
wherein the plurality of transistors are connected in series when inputting current and the plurality of transistors are connected in parallel when outputting current, and
wherein the electronic circuit amplifies an inputted current for output.

13. (Previously Presented) A personal computer comprising:

a body,
a housing,
an external connecting port, and
an electronic circuit having a driving element,
wherein the electronic circuit comprises a driving element provided with a plurality of transistors and a switch,
wherein the electronic circuit amplifies an inputted current for output,
wherein gates of the plurality of transistors are connected to each other,
wherein at least one of a source or a drain of each of the plurality of transistors is connected to a source or a drain of another transistor of the plurality of transistors,
wherein the switch switches the plurality of transistors between a series connection state and a parallel connection state, and
wherein the plurality of transistors are connected in series when inputting current and the plurality of transistors are connected in parallel when outputting current.

14. (Previously Presented) The personal computer according to claim 12, wherein the personal computer comprises a display portion.

15. (Previously Presented) The personal computer according to claim 12, wherein the electronic circuit is included in a display portion.

16. (Previously Presented) The personal computer according to claim 12, wherein the personal computer comprises a keyboard and a pointing mouse.

17. (Previously Presented) The electronic device according to claim 2, wherein the plurality of transistors are either all p-channel type or n-channel type.

18. (Previously Presented) The electronic device according to claim 3, wherein the plurality of transistors are either all p-channel type or n-channel type.

19. (Previously Presented) The electronic device according to claim 4, wherein the plurality of transistors are either all p-channel type or n-channel type.

20. (Previously Presented) The electronic device according to claim 2, wherein channel lengths, channel widths and insulating film thicknesses of the plurality of transistors are all equal.

21. (Previously Presented) The electronic device according to claim 3, wherein channel lengths, channel widths and insulating film thicknesses of the plurality of transistors are all equal.

22. (Previously Presented) The electronic device according to claim 4, wherein channel lengths, channel widths and insulating film thicknesses of the plurality of transistors are all equal.

23. (Previously Presented) The electronic device according to claim 2, wherein the plurality of transistors are TFTs.

24. (Previously Presented) The electronic device according to claim 3, wherein the plurality of transistors are TFTs.

25. (Previously Presented) The electronic device according to claim 4, wherein the plurality of transistors are TFTs.

26. (Previously Presented) The electronic device according to claim 2, wherein the electronic circuit is included in an integrated circuit.

27. (Previously Presented) The electronic device according to claim 3, wherein the electronic circuit is included in an integrated circuit.

28. (Previously Presented) The electronic device according to claim 4, wherein the electronic circuit is included in an integrated circuit.

29. (Previously Presented) The personal computer according to claim 12, wherein the electronic circuit is included in an integrated circuit.

30. (Previously Presented) The personal computer according to claim 13, wherein the electronic circuit is included in an integrated circuit.

31. (Canceled)

32. (Previously Presented) The electronic device according to claim 2, wherein the electronic circuit is included in a system circuit and is formed over a glass substrate.

33. (Previously Presented) The electronic device according to claim 3, wherein the electronic circuit is included in a system circuit and is formed over a glass substrate.

34. (Previously Presented) The electronic device according to claim 4, wherein the electronic circuit is included in a system circuit and is formed over a glass substrate.

35. (Previously Presented) The personal computer according to claim 12, wherein the electronic circuit is included in a system circuit and is formed over a glass substrate.

36. (Previously Presented) The personal computer according to claim 13, wherein the electronic circuit is included in a system circuit and is formed over a glass substrate.

37-43. (Canceled)

44. (Previously Presented) The personal computer according to claim 13, wherein the personal computer comprises a display portion.

45. (Previously Presented) The personal computer according to claim 13, wherein the electronic circuit is included in a display portion.

46. (Previously Presented) The personal computer according to claim 13, wherein the personal computer comprises a keyboard and a pointing mouse.